

Patent claims

1. An oral hygiene product which comprises as essential constituents spherical microparticles which consist in whole or in part of at least one water-insoluble unbranched polyglucan.
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2. The oral hygiene product as claimed in claim 1, wherein the spherical microparticles have a mean diameter of from 1 nm to 100 µm.
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3. The oral hygiene product as claimed in claim 1 or 2, wherein the depth of irregularities on the particle surface is a maximum of 20% of the mean diameter of the spherical microparticles.
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4. The oral hygiene product as claimed in one of the preceding claims, wherein the microparticles are present in the oral hygiene product in an amount of up to 90% by weight, based on the total weight of the oral hygiene product.
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5. The oral hygiene product as claimed in one of the preceding claims, wherein the at least one water-insoluble polyglucan is poly-1,4- α -D-glucan and/or poly-1,3- β -D-glucan, in particular poly-1,4- α -D-glucan.
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6. The oral hygiene product as claimed in one of the preceding claims, wherein the at least one water-insoluble unbranched polyglucan has been obtained by a biotechnology method.
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7. The oral hygiene product as claimed in one of the preceding claims, wherein the at least one water-insoluble polyglucan has been produced biocatalytically.
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8. The oral hygiene product as claimed in one of the preceding claims, wherein the content of water-insoluble unbranched polyglucan in the microparticles is at least 70%, based on the total content of polyglucan including any branched polysaccharide and other polymers.

9. The oral hygiene product as claimed in one of the preceding claims, wherein the microparticles consist of 100% of at least one water-insoluble unbranched polyglucan.
- 5 10. The oral hygiene product as claimed in one of the preceding claims, wherein oral hygiene product is selected from mouthwashes, mouth powders, mouth pills, mouth sprays, denture, prosthesis and dental hygiene products and plaque disclosure tablets.
- 10 11. The oral hygiene product as claimed in claim 10, wherein the dental hygiene product is selected from toothpastes, tooth gels, tooth-cleaning powders and chewing gums.
12. The use of microparticles which consists in whole or in part of at least one water-insoluble unbranched polyglucan in dental hygiene products.

Add A1
Add A2

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